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Attorney Docket No. 50225-8046.US00

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

McCormick, et al.

APPLICATION No.: 09/642,607

FILED: August 17, 2000

FOR: CAPILLARY ELECTROKINESIS BASED
CELLULAR ASSAYS

EXAMINER: J. Brown

ART UNIT: 1743

CONFIRMATION No: 6932

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mmsSupplemental AmendmentAssistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Further to Applicants' amendment of January 27, 2003 and following a telephone interview with Examiner Brown on March 20, 2003, Applicants respectfully request entry of the following amendments.

In the Claims: Please cancel claim 8, without prejudice. Replace claims 1 and 7 with the following substitute claims: ✓

1. (Twice Amended) A method for performing cell-based operations capable of identifying single cell status, employing a microfluidic device having (i) a reservoir containing cells for said cell-based operations, said reservoir containing an appropriate viable cell supporting medium, (ii) a first capillary channel in fluid transfer relationship with said reservoir, (iii) an electroosmotic pump comprising a second capillary channel in fluid receiving relationship with said first channel, (iv) an electrokinetic medium in said second capillary channel and (v) a pair of electrodes for creating an electrical field in said electrokinetic medium for moving electrokinetic medium in said second channel, and (vi) a detector, said method comprising: